

Patent Abstracts of Japan

PUBLICATION NUMBER : 07164172
 PUBLICATION DATE : 27-06-95

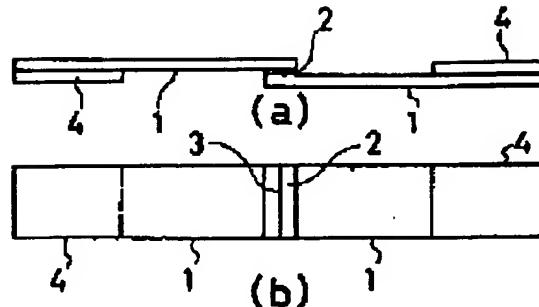
APPLICATION DATE : 13-12-93
 APPLICATION NUMBER : 05312045

APPLICANT : NKK CORP;

INVENTOR : KABASAWA MAKOTO;

INT.CL. : B23K 26/00 C09J 5/06

TITLE : METHOD FOR LAP JOINING OF METALLIC SHEET



ABSTRACT : PURPOSE: To improve the tensile strength and the fatigue strength of a joined zone by executing the laser beam welding of the adhered surface after the adhesive is applied to the lapped surface of two metallic sheets to execute the adhesion.

CONSTITUTION: One end parts of two metallic sheets 1, 1 are lapped and joined with each other. In this work, the adhesive is applied to at least one of the lapped surfaces of two metallic sheets 1, 1 to execute the adhesion. The laser beam welding is executed on the center part of the adhered part 2 with one bead 3. After the laser beam welding, the material to be joined is heated to harden the adhesive. The filler metal is used in the laser beam welding. For example, the two component, room temperature setting adhesive is applied to two strip-shaped test specimens 1, 1 of the hot-rolled steel sheet for automobile and the high tensile steel sheet, and the laser beam welding is executed after one end parts are joined with each other. This constitution prevents generation of defective welding such as blowhole.

COPYRIGHT: (C)1995,JPO

BEST AVAILABLE COPY